

S/N Unknown

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Robert D. Norman et al.	Examiner:	Unknown
Serial No.:	Unknown	Group Art Unit:	Unknown
Filed:	Herewith	Docket:	703.079US4
Title:	APPARATUS AND METHOD FOR DETECTING OVER-PROGRAMMING CONDITION IN MULTISTATE MEMORY DEVICE		

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Assistant Commissioner for Patents
P.O.Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. § 1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

Pursuant to 37 C.F.R. § 1.98(d), copies of the documents that are not highlighted are not provided, as these documents were previously cited by or submitted to the U.S. Patent Office in connection with Applicants' prior U.S. application, Serial No. 09/641,693, filed on August 18, 2000, which is relied upon for an earlier filing date under 35 U.S.C. § 120.

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

ROBERT D. NORMAN ET AL.

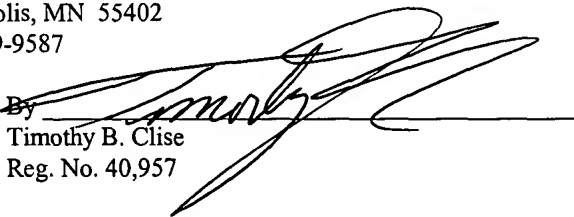
By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 349-9587

Date

29 July '03

By


Timothy B. Clise
Reg. No. 40,957

"Express Mail" mailing label number: EV332569644US

Date of Deposit: July 29, 2003

This paper or fee is being deposited on the date indicated above with the United States Postal Service pursuant to 37 CFR 1.10, and is addressed to The Commissioner for Patents, Mail Stop Patent Application, P.O.Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	Unknown
Filing Date	Even Date Herewith
First Named Inventor	Norman, Robert
Group Art Unit	Unknown
Examiner Name	Unknown

Sheet 1 of 2

Attorney Docket No: 703.079US4

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-4,653,023	03/24/1987	Suzuki, Y. , et al.	365	104	09/17/1984
	US-5,043,940	08/27/1991	Harari, E.	365	168	07/17/1989
	US-5,142,496	08/25/1992	Van Buskirk, M. A.	365	201	06/03/1991
	US-5,153,880	10/06/1992	Owen, W. H., et al.	371	10.2	03/12/1990
	US-5,218,570	06/08/1993	Pascucci, L. , et al.	365	189.01	02/19/1991
	US-5,293,560	03/08/1994	Harari, E.	365	185	11/03/1992
	US-5,321,655	06/14/1994	Iwahashi, H. , et al.	365	200	08/24/1993
	US-5,321,699	06/14/1994	Endoh, , et al.	371	21.5	03/12/1992
	US-5,339,272	08/16/1994	Tedrow, K. , et al.	365	189.09	12/21/1992
	US-5,386,388	01/31/1995	Atwood, G. E., et al.	365	201	06/28/1993
	US-5,394,362	02/28/1995	Banks, G. J.	365	189.01	06/04/1993
	US-5,420,822	05/30/1995	Kato, Hideo , et al.	365	218	03/28/1994
	US-5,434,825	07/18/1995	Harari, E.	365	185	09/03/1993
	US-5,469,444	11/21/1995	Endoh, T. , et al.	371	215	11/16/1994
	US-5,495,442	02/27/1996	Cerne, R. A., et al.	365	185.03	05/04/1995
	US-5,523,972	06/04/1996	Rashid, M. , et al.	365	185.22	06/02/1994
	US-5,539,690	07/23/1996	Talreja, S. S., et al.	365	185.22	06/02/1994
	US-5,555,204	09/10/1996	Endoh, , et al.	365	218	
	US-5,566,125	10/15/1996	Fazio, Albert , et al.	365	45	03/31/1995
	US-5,570,315	10/29/1996	Tanaka, , et al.	365	185.22	10/29/1996
	US-5,583,812	12/10/1996	Harari, E.	365	185.33	02/16/1995
	US-5,602,789	02/11/1997	Endoh, Tetsuo , et al.	365	201	08/22/1995
	US-5,608,669	03/04/1997	Mi, James Q., et al.	365	185.19	02/09/1996
	US-5,608,676	03/04/1997	Medlock, D. L., et al.	365	189.09	08/31/1993
	US-5,621,686	04/15/1997	Alexis, R.	365	185.21	06/07/1995
	US-5,627,784	05/06/1997	Roohparvar, F. F.	365	189.01	07/28/1995
	US-5,638,320	06/10/1997	Wong, S. C., et al.	365	185.03	01/11/1996
	US-5,638,326	06/10/1997	Hollmer, S. C., et al.	365	185.2	04/05/1996
	US-5,642,312	06/24/1997	Harari, E.	365	185.33	05/22/1996
	US-5,648,934	07/15/1997	O'Toole, J. E.	365	200	02/05/1996
	US-5,654,918	08/05/1997	Hammick, M. C.	365	185.2	11/15/1995
	US-5,673,224	09/30/1997	Chevallier, Christophe J., et al.	365	185.23	02/23/1996
	US-5,684,739	11/04/1997	Takeuchi, Nobuyoshi	365	185.03	11/30/1995
	US-5,694,366	12/02/1997	Chevallier, C. J., et al.	365	207	05/01/1996
	US-5,729,489	03/17/1998	Fazio, Albert , et al.	365	185.03	12/14/1995
	US-5,737,260	04/07/1998	Takata, H. , et al.	365	145	03/27/1996
	US-5,764,568	06/09/1998	Chevallier, Christophe J.	365	185.03	10/24/1996

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Application Number	Unknown
Filing Date	Even Date Herewith
First Named Inventor	Norman, Robert
Group Art Unit	Unknown
Examiner Name	Unknown

Sheet 2 of 2

Attorney Docket No: 703.079US4

	US-5,764,571	06/09/1998	Banks, Gerald J.	365	189.01	02/27/1995
	US-5,768,184	06/16/1998	Hayashi, Y. , et al.	365	185.03	01/31/1996
	US-5,768,191	06/16/1998	Choi, , et al.	365	185.03	
	US-5,768,287	06/16/1998	Norman, R. D., et al.	371	21.2	10/24/1996
	US-5,771,346	06/23/1998	Norman, R. D., et al.	395	183.18	10/24/1996
	US-5,790,453	08/04/1998	Chevallier, C. J., et al.	365	185.03	10/24/1996
	US-5,903,504	05/11/1999	Chevallier, C. J., et al.	365	207	11/26/1997
	US-5,909,390	06/01/1999	Harari, E.	365	185.03	12/16/1997
	US-5,912,838	06/15/1999	Chevallier, C. J.	365	185.03	02/25/1998
	US-5,943,260	08/24/1999	Hirakawa,	365	185.03	02/20/1998
	US-5,978,289	11/02/1999	Merritt, T. A.	365	200	08/18/1997
	US-6,049,899	04/11/2000	Auclair, D. L., et al.			
	US-6,075,738	06/13/2000	Takano, Yoh	365	210	02/25/1998
	US-6,078,518	06/20/2000	Chevallier, Christophe J.	365	185.03	11/25/1998
	US-6,112,314	08/29/2000	Norman, R. D., et al.	714	37	02/26/1998
	US-6,163,479	12/19/2000	Chevallier, C.	365	185.03	06/08/1999
	US-6,175,937	01/16/2001	Norman, R. D., et al.	714	718	02/23/1998
	US-6,278,632	08/21/2001	Chevallier, C.	365	185.03	12/12/1997
	US-6,324,094	11/27/2001	Chevallier, C. J.	365	185.03	04/28/2000

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
--------------------	---------------------	------------------	---	-------	----------	----------------

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		CHEVALLIER, C. , "SYSTEM FOR PERFORMING ANALOG OVER-PROGRAM AND UNDER-PROGRAM DETECTION FOR A MULTISTATE MEMORY CELL", Pending U.S. Application - S/N 09/652802 - Filed 08/31/2000,	
		LAKHANI, V. , "METHOD AND APPARATUS FOR PROGRAMMING MULTI-STATE CELLS IN A MEMORY DEVICE", Serial No. 09/223,08, (06/19/2001),	
		NORMAN, R. , et al., "APPARATUS AND METHOD FOR DETECTING OVER-PROGRAMMING CONDITION IN MULTISTATE MEMORY DEVICE", Pending U.S. Application - S/N 09/641693 - Filed 8/18/2000,	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached